

TECHSPEC® 50.0mm Dia. x 75.0mm FL, NIR I, Inked, Plano-Convex Lens



Stock #48-796-INK 10-15 DAYS

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⊖ 1 ⊕ **S\$105.85**

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Qty 1-9

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Qty 10+

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Diameter (mm):
50.00 ±0.025

Effective Focal Length EFL (mm):

75.00 @ 587.6nm

Back Focal Length BFL (mm):

67.75

Coating:

NIR I (600-1050nm)

Coating Specification:

$R_{avg} \leq 0.5\%$ @ 600 - 1050nm

Substrate:

[N-BK7](#)

Surface Quality:

40-20

Power (P-V) @ 632.8nm:

1.5λ

Irregularity (P-V) @ 632.8nm:

λ/4

Focal Length Tolerance (%):

±1

Centering (arcmin):

<1

Center Thickness CT (mm):

11.00 ±0.10

Edge Thickness ET (mm):

1.86

Radius R₁ (mm):

38.76

Clear Aperture CA (mm):

49

f#:

1.5

Numerical Aperture NA:

0.33

Type:

Plano-Convex Lens

Bevel:

Protective bevel as needed

Wavelength Range (nm):

600 - 1050

Damage Threshold, By Design:

7 J/cm² @ 1064nm, 10ns

Regulatory Compliance

RoHS:

[Compliant](#)

Certificate of Conformance:

[View](#)
